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TITLE: Edge machining device for e.g. flat glass products, has
ring with nozzle holes for coolant extending around tool

PRIORITY-DATA: 2002DE-2016396 (October 24, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
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BASIC-ABSTRACT:

NOVELTY - The cooling device comprises a ring which extends around the tool (14) and has nozzle holes on the inside facing the tool. The nozzle holes are oriented at an acute angle relative to the tool rotation axis (18).

DETAILED DESCRIPTION - The machining device comprises a rotary tool such as a grinding or polishing disc or a milling tool. The cooling device is supplied with a coolant, preferably water.

USE - For grinding or polishing the edges of flat glass products such as shelves, doors or vehicle windscreens.

ADVANTAGE - The coolant is supplied specifically to the edge of the product being machined, giving optimum heat removal and edge machining.

DESCRIPTION OF DRAWING(S) - Figure 1 shows a plan view of a flat glass product and a grinding or polishing disc.

Flat glass product 10

Edge of flat glass product 12

CNC-controlled tool 14

Grinding or polishing disc 16

Tool rotation axis 18

Disc rotation direction 20

Travelling direction of disc 22